

The Solution for Assigning Addresses to Online Computers in Full Digital Code

FIELD OF THE INVENTION

This invention relates to a solution for assigning the addresses to the online computers, especially, it relates to the solution for assigning the addresses to the online computers in full digital code.

BACKGROUND OF THE ART

With the rapid development of the technology, the world has entered into the information era of the data communication. The Internet, which was established by U. S. A. in 1968 and is considered to be the pioneer of the information highway, is the most famous one among the data networks all over the world. By now, a great number of the countries and areas have joined the Internet family. China already has several international gateways linking with the Internet – the biggest international web in the world, and the user terminals are increasing at a remarkable speed.

In order to transfer correctly the information to its destination on the Internet, each computer connected onto the Internet must have one unique address. For the time being, there are three kinds of the address coding solutions currently in use internationally and domestically. One is IP address, which is constituted by four fields of the digits separating by the decimal points; the other one is the “domain name”, which is constituted normally by not more than five sets of the character string separating by the decimal points; and the last one is the “Chinese domain name hierarchy system”, which is constituted by three levels of the

domain name separating by the decimal points and the slash. Although the above address coding solutions can assign each online computer one unique address, but they all have the shortcomings of the complexity, not unified and hard to remember or input.

SUMMARY OF THE INVENTION

The purpose of this invention is to overcome the shortcomings of the current online computer address coding solutions mentioned above. This invention provides a solution of full digital coding, which is simple, easy to use, and easy to remember, which can be input not only by using the keyboard of the computer, but also by accessing an E-mail box using the telephone keyboard input and by browsing the Internet.

The technical project to implement this invention utilizes the solution for assigning the addresses to the online computers in full digital code. It has the following characteristics: it is constituted by the full digital code address, which is composed of the online number, the telephone number, and the category number. Here, the said online number refers to the digital number of the established network site, which is specified by the country or area; the said telephone number includes the combination of the IDDD code of the user' s country, the area code of the domestic DDD of the user' s area, and the telephone number of the user' s company or home; and the category number is the digital number specified respectively by the country or area for demarcating uniformly the business category.

A method for accessing an E-mail box and browsing the Internet by using the coded addresses of the above solution, wherein: the E-mail box can be accessed or the Internet can be browsed by inputting to the modem

area code of the domestic DDD code for Shanghai, and “62572047” is the user’s telephone number. The combination of these three parts of the numbers make up the “telephone number” part in the FDCA. This is the key point of FDCA, it is simple, and easy to remember, and will never be repeated. The category number is the digital number specified respectively by the country or area for demarcating uniformly the business category. This part of the digital numbers can be set according to the regulations of the user’s country or area, or the network site. It can be specified as big categories or subcategories, usually, only the big categories are specified. When the big category is specified by the method of the term selection, the subcategory digital number can be directed after the category numbers. In practice, if some clients want their addresses to be encrypted, the encrypted digital number can also be directed after the online number of the telephone number. And this encrypted number can be proposed by the client himself and, of course, must be registered first by the address coding organization. The client only has to input continuously all of the correct numbers either by telephone dial up or computer keyboard input, which is not only convenient but also quick and efficient to get online after linking.

Taking into consideration that a lot of the users getting online for the purpose of sending or receiving the E-mails, some even only apply for the E-mail operation mode, therefore, when a user applies for an Internet account number, the Internet service provider always offers him an E-mail box. The name of this E-mail box is usually composed of three parts, that is, the user’s name, the mail server and the symbol “@”. Usually, a character string is used to express this name. For the purpose of easy to input uniformly, the addresses of the E-mail boxes can also be coded by the

